

ABSTRACT

The invention describes a fiber optic module package which uses a metal-to-metal contact seal between a lid and a module housing. The metal-to-metal contact seal provides a sealing mechanism between the lid and the module housing. The module housing has a knife-shaped edge that can bite into a bottom surface of the lid when pressure is exerted on the lid. In a first embodiment, the module housing has a side slot in which an outer wall of the lid can enter which serves as a holding mechanism between the lid and the module housing. In a second embodiment, the module housing has an interior wall which can be pressed into a curved surface of the lid that serves as a holding mechanism between the lid and the module housing. In a third embodiment, multiple screws are inserted through multiple holes on the lid and into the module housing which serve as a holding mechanism between the lid and the module housing.